





# MIR40 Log Stove

IMPORTANT: THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE

## Important Safety Advice

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons, including the following:

If the appliance is damaged, check with the supplier before installation and operation.

Leave the appliance disconnected from the supply voltage until it is commissioned.

Do not use this heater in the immediate surroundings of a bath, shower or swimming pool.

Do not locate the heater immediately below a fixed socket outlet or connection box.

Do not cover or obstruct in any way the heat outlet grille located at the top of the heater or the heat outlet at the base of the heater. Overheating will result if the heater is accidentally covered.

This appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.

In the event of a fault unplug the heater.

Unplug the heater when not required for long periods.

Ensure that furniture, curtains or other combustible material are positioned no closer than 1 metre from the heater.

Although this heater complies with safety standards, we do not recommend its use on deep pile carpets or on long hair type of rugs.

The appliance must be positioned so that the plug is accessible. If the supply cord is damaged it must be replaced by the manufacturer or service agent or a similarly qualified person in order to avoid a hazard.

## General

This fire incorporates a flame effect that can be used without heating, so that the comforting effect may be enjoyed at any time of the year. The flame effect is provided by a low wattage motor and two 60 watt lamps. Using the flame effect on it's own, therefore, requires little electricity.

The fan assisted hot water convector heater (heat exchanger) is located at the base of the fire. A separate 2kW electric heating unit is concealed behind the top grill. The electric heating unit can be used separately from the heat exchanger as an individual heat supply when the central heating system is not on. It may also be used as a heat boost when using the heat exchanger (central heating system on).

## Heat Exchanger

The MIR40 Log Stove may be fitted in place of or in addition to existing radiators. Using the hot water from the central heating system and a powerful electric fan it will produce up to 2.0kW of heat into the room. The heat output from the heat exchanger unit may be adjusted by means of a variable speed fan.

## Electrical

### WARNING – THIS APPLIANCE MUST BE EARTHED

This heater must be used on an AC ~ supply only and the voltage marked on the heater must correspond to the supply voltage.

Before switching on, please read the safety warnings and operating instructions.

For your convenience, the heater is fitted with a rewirable plug incorporating a 13 amp fuse. In the event of replacing the fuse in the plug supplied, a 13 amp fuse approved by ASTA to BS1362 must be used.

## Central Heating System Design

1. When fitting the MIR40 Log Stove on to a central heating system check that the boiler is capable of delivering the extra heat into the appliance by re-sizing the system. The MIR40 will add under ideal conditions 2.0kW (6,800 Btu/hr) onto the boiler sizing.
2. Due to the low water content of the heat exchanger in the MIR40 Log Stove compared to a panel radiator in the system, an adequate flow of water should be maintained to compensate for rapid cooling of the water as it passes through the exchanger i.e. maximum efficiency is gained if the MIR40 Log Stove is placed as near to the central heating pump as possible to give the maximum pressure head across the appliance.
3. To prevent cold air from being blown into the room a low limit thermostat is fitted which prevents the fan starting until hot water reaches the heat exchanger. This principle must be explained to the user to prevent any confusion arising over the appliance's operation.

## Installation

Ensure that all packing items are removed (read any warning labels carefully).

Retain the packaging for possible future use, in the event of moving or returning the fire to your supplier.

The MIR40 Log Stove is designed either;

1. To be installed into an inset cavity. When installing into an inset cavity, ensure that there is an adequate unobstructed air intake available to the air inlet slots located at the back of the appliance. Both the heat exchanger fan and the electric heater fan require an adequate supply of air for their efficient operation.
2. To be floor mounted, preferably on a hearth. For stability, keyhole slots are provided in the back panel for wall fixing.

The appliance should not be placed where it could be moved or knocked by doors etc. If installing the appliance into an inset cavity, or if using a fire surround in conjunction with the MIR40, the minimum clearance dimensions shown in Fig. 1 must be observed.

The wall mounting dimensions are shown in Fig. 2.

Note: The switch 'a' in Fig. 2 is for factory test purposes only and access is not required after installation.

## Water connections

**WARNING : Do not connect to electricity supply when making water connections.**

The appliance terminates in 10mm pipe tails (top pipe for return - see 'b' in Fig. 4 and bottom pipe for flow - see 'c' in Fig. 4).

It will be necessary to make up a 10mm pipe connection which will join up the existing water system to the appliance pipe tails.

We recommend the use of 'Nevacock' ball valves or other types of gate valve as close as possible to the appliance.

To remove the surround, first remove 8 outer screws from surround and 2 screws from inside door (see Fig. 3) and place carefully aside. Gently slide the surround away from the chassis.

After connecting the appliance to the heating circuit refill the system (if required) and bleed the air out of the heat exchanger using the bleed screw provided (located on top of return pipe - see 'a' in Fig. 4). If any water escapes from the bleed screw ensure that it does not fall onto any electrical wiring or connections. After bleeding the appliance ensure that electrical controls are completely dry before connecting to the supply.

NOTE : PLEASE ENSURE THAT NO WATER IS IN CONTACT WITH THE MDF BASE OF THE STOVE.

## Commissioning the Heat Exchanger

**Ensure that the central heating is OFF and that the heat exchanger is COLD.**

1. Check the appliance for water leaks at every connection, bleed screw etc. Ensure the electrical circuit is free from water.
2. Replace the surround and screw (10 screws) fix to chassis.
3. Turn ON electricity supply.
4. Press 'Switch 1' to '⏻'. The flame effect should now operate - see Fig. 7.
5. Press 'Switch 4' to the large Fan symbol. The fan should not start due to the low limit thermostat.

7. Turn ON the central heating system.
8. As hot water reaches the heat exchanger the low limit thermostat should cut in and the fan will start to operate (set at 38°C).
9. Use 'Switch 4' to adjust the fan speed.
10. If the MIR40 Log Stove fails to operate as detailed in the above sequence contact Customer Services for further assistance.

### Insufficient heat output from heat exchanger may be caused by:

- Airlock in heat exchanger - (ISOLATE FROM ELECTRICAL SUPPLY). Remove the case and bleed the appliance as outlined in the 'Water Connections'.
- Hot water temperature too low - the boiler thermostat may need increasing.
- Bulk of the water circulating through the radiators - rebalance by closing back lockshield valves on radiators to increase water flow through the MIR40 Log Stove.
- Dirty heat exchanger.

### Operation

With the fire in position the controls are located on the upper right-hand side of the appliance.

#### Flame Effect

Press 'Switch 1' to 'I'. The flame effect should now operate - see Fig. 7.

#### Electric Heating Unit

You have a choice of low heat (1.0kW) or high heat (2.0kW) output. In order to operate the fan heater, 'Switch 1' must be switched on.

#### Low heat setting

Press 'Switch 2' to 'I' and 'Switch 1' to 'I' position. The flame effect will remain on and you will have selected the low heat setting.

#### High heat setting

Press 'Switch 3' to 'II' and 'Switch 2' to 'I' and 'Switch 1' to 'I' position. The flame effect and low heat setting will remain on and you will have selected the high heat setting.

#### Setting the Thermostat

Plug in and with Switches 1, 2 and 3 on, turn the thermostat knob to MAX to warm the room rapidly. When the room temperature has reached the desired level, turn the thermostat knob back slowly until the thermostat just clicks off. The heater will then maintain the room temperature at the chosen level.

**NOTE** – Should your heater fail to come on when the thermostat is at a low setting, this may be due to the room temperature being higher than the thermostat setting.

#### Safety cut-out

For your safety, this appliance has been fitted with a thermal cut-out. In the event that the product overheats, the cut-out switches the heat off automatically.

To bring the heat back into operation, remove the cause of the overheating, then unplug or turn off the electrical supply to the heater for up to 10 minutes.

When the heater has cooled sufficiently, re-connect and switch on the heater.

### Heat Exchanger Unit

To operate the heat exchanger follow the instructions previously described in 'Commissioning the Heat Exchanger'.

To vary the heat output from the heat exchanger, use the fan speed control knob to increase or decrease the speed of the fan.

**Note: Both heat sources (electric heater and heat exchanger) can be operational at the same time.**

### Maintenance

**WARNING – ALWAYS DISCONNECT FROM THE POWER SUPPLY BEFORE ATTEMPTING ANY MAINTENANCE.**

### Lamp Replacement

To gain access to the lamps;

1. Open the door.
2. Remove the two screws on the fuel effect - see 'x' in Fig. 5.
3. Slide the fuel effect out and set aside carefully (taking care not to damage the logs as they are fragile).
4. For access to the lamps, carefully remove the flexible rotisserie out of its position by gripping the left hand side of the rotisserie, lift it up out of its slot (ensuring that the rubber grommet is not lost see 'y' in Fig. 6) and then pull gently down towards you to ensure you have maximum space to access the lamps.
5. Unscrew the defective lamp as indicated. Replace with a 60W E14 SES lamp, do not over tighten - see Fig. 6.
6. Refit the rotisserie making sure that the rubber grommet is carefully pushed into the slotted hole on the axial bracket - see Fig. 6.
7. Refit the fuel effect with the two screws.

**Caution:** In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

### Cleaning

Before commencing cleaning, unplug the heater and allow it to cool. The surfaces of the heater should be given an occasional wipe over with a soft damp cloth. Do not use detergents, abrasive cleaning powder or polish on the body of the heater.

The viewing screens should be cleaned carefully with a chamois leather. DO NOT use proprietary glass cleaners.

To remove any accumulation of dust or fluff the soft brush attachment of a vacuum cleaner should occasionally be used to clean the outlet grille of the fan heater.

### After Sales Service

Your product is guaranteed for one year from the date of purchase. Within this period, we undertake to repair or exchange this product free of charge (excluding lamps and subject to availability) provided it has been installed and operated in accordance with these instructions.

Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales service you should contact our customer services help desk on 0870 727 0101. It would assist us if you can quote the model number, series, date of purchase, and nature of the fault at the time of your call. The customer services help desk will also be able to advise you should you need to purchase any spares.

Please do not return a faulty product to us in the first instance as this may result in loss or damage and delay in providing you with a satisfactory service.

Please retain your receipt as proof of purchase.

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